

SITE DESCRIPTION

PROJECT LIMITS: I.H. 30 FROM I.H. 635
TO 0.28 MILES WEST OF BELTLINE ROAD.

PROJECT DESCRIPTION: CONSTRUCTION OF THE WIDENING OF A FREEWAY FACILITY
CONSISTING OF GRADING, STRUCTURES, STORM SEWERS, LIME TREATED SUBGRADE,
CONCRETE PAVEMENT, ASPHALTIC CONCRETE PAVEMENT, SIGNING, SIGNALS, LIGHTING,
DELINEATION AND PAVEMENT MARKINGS.

MAJOR SOIL DISTURBING ACTIVITIES: SOIL DISTURBING ACTIVITIES WILL INCLUDE
PREPARING THE RIGHT OF WAY, CLEARING AND GRUBBING, EXCAVATION AND
EMBANKMENT FOR ROADWAYS AND RETAINING WALLS, REMOVAL OF OLD CONCRETE,
STRUCTURE INSTALLATION AND REMOVAL, DETOUR CONSTRUCTION AND REMOVAL,
STORM SEWER CONSTRUCTION, EROSION AND SEDIMENT CONTROLS, AND TOPSOIL
WORK FOR FINAL PLANTING AND SEEDING.

TOTAL PROJECT AREA: 159.92 ACRES

TOTAL AREA TO BE DISTURBED: 106.54 ACRES (67%)

WEIGHTED RUNOFF COEFFICIENT
(AFTER CONSTRUCTION): 0.85

EXISTING CONDITION OF SOIL & VEGETATIVE
COVER AND % OF EXISTING VEGETATIVE COVER: THE EXISTING SOILS ARE SOFT, MOIST,
BROWN, TAN, GREY, AND ORANGE SILTY CLAYS WITH TRACES OF CALICHE, FE,
AND SELENITE CRYSTALS. THE AREA IS COVERED WITH GRASSES IN GOOD
CONDITION WITH FEW TREES ON THE RIGHT OF WAY.

NAME OF RECEIVING WATERS: THE PROJECT DRAINS TO SEVERAL SMALL UNNAMED CREEKS
WHICH DRAIN TO DUCK CREEK AND THEN TO THE EAST FORK OF THE TRINITY RIVER
DOWN STREAM OF LAKE RAY HUBBARD. STREAM SEGMENT NUMBER 0834.

EROSION AND SEDIMENT CONTROLS

SOIL STABILIZATION PRACTICES:

- TEMPORARY SEEDING
- PERMANENT PLANTING, SODDING, OR SEEDING
- MULCHING
- SOIL RETENTION BLANKET
- BUFFER ZONES
- PRESERVATION OF NATURAL RESOURCES

OTHER: DISTURBED AREAS ON WHICH CONSTRUCTION ACTIVITY HAS CEASED (TEMPORARILY
OR PERMANENTLY) SHALL BE STABILIZED WITHIN 14 DAYS UNLESS ACTIVITIES
ARE SCHEDULED TO RESUME AND DO WITHIN 21 DAYS.

STRUCTURAL PRACTICES:

- SILT FENCES
- HAY BALES
- ROCK BERMS
- DIVERSION, INTERCEPTOR, OR PERIMETER DIKES
- DIVERSION, INTERCEPTOR, OR PERIMETER SWALES
- DIVERSION DIKE AND SWALE COMBINATIONS
- PIPE SLOPE DRAINS
- PAVED FLUMES
- ROCK BEDDING AT CONSTRUCTION EXIT
- TIMBER MATTING AT CONSTRUCTION EXIT
- CHANNEL LINERS
- SEDIMENT TRAPS
- SEDIMENT BASINS
- STORM INLET SEDIMENT TRAP
- STONE OUTLET STRUCTURES
- CURBS AND CUTTERS
- STORM SEWERS
- VELOCITY CONTROL DEVICES

OTHER: RIPRAP

NARRATIVE - SEQUENCE OF CONSTRUCTION (STORM WATER MANAGEMENT) ACTIVITIES:

The order of activities will be as follows:

- INSTALL STRUCTURAL CONTROLS AND INLET PROTECTION AT EXISTING INLETS PRIOR
TO DISTURBANCE OF EXISTING TOPSOIL.
- INSTALL SILT FENCES:
A. AROUND TOPSOIL STOCKPILES AND AT EMBANKMENT AND EXCAVATION LOCATIONS.
B. AROUND ALL NEW AND TEMPORARY INLETS AS SOON AS THEY ARE FUNCTIONAL.
- INSTALL SOIL RETENTION BLANKET ON ALL EXPOSED SLOPES STEEPER THAN 3:1.
- CONSTRUCT DETOURS AND PLACE SILT FENCE AT DISTURBED SLOPED AREAS.
- CONSTRUCT PAVEMENT AND DETOURS WITHIN PHASE I LIMITS.
- REPEAT STEPS 2 THROUGH 5 FOR REMAINING PROJECT PHASES. (EXCEPT APPLY
PERMANENT SEEDING WHERE APPLICABLE)
- WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED AND
APPROVED BY THE ENGINEER, REMOVE ALL TEMPORARY STRUCTURAL CONTROLS AND
RE-SEED ANY AREAS DISTURBED BY THEIR REMOVAL. ANY PERIMETER CONTROLS
SHALL REMAIN IN PLACE UNTIL FINAL STABILIZATION OF THE AREA UPSTREAM.

STORM WATER MANAGEMENT: STORM WATER DRAINAGE WILL BE PROVIDED BY THE
DITCHES, DROP INLETS, AND STORM SEWER SYSTEMS; THIS WILL CARRY DRAINAGE
WITHIN THE R.O.W. TO THE LOWS IN THE HIGHWAY AND FRONTAGE ROADS WHERE CROSS
DRAINAGE OCCURS WITH UNNAMED CREEKS.
OTHER PERMANENT EROSION CONTROLS INCLUDE USAGE OF RIPRAP, HYDRAULIC DESIGN
TO LIMIT STRUCTURE OUTLET VELOCITIES, AND GRADING DESIGN GENERALLY CONSISTING
OF 6:1 OR FLATTER SLOPES WITH A PERMANENT VEGETATIVE COVER.

OTHER EROSION AND SEDIMENT CONTROLS:

MAINTENANCE: ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD
WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE DONE AT THE EARLIEST
DATE POSSIBLE, BUT NO LATER THAN 7 CALENDAR DAYS AFTER THE SURROUNDING
EXPOSED GROUND HAS DRIED SUFFICIENTLY TO PREVENT FURTHER DAMAGE FROM
HEAVY EQUIPMENT. THE AREAS ADJACENT TO CREEKS AND DRAINAGEWAYS SHALL HAVE
PRIORITY FOLLOWED BY DEVICES PROTECTING STORM SEWER INLETS.

INSPECTION: AN INSPECTION WILL BE PERFORMED BY A TxDOT INSPECTOR EVERY WEEK AS
WELL AS AFTER EVERY HALF INCH OR MORE OF RAIN (AS RECORDED ON A
NON-FREEZING RAIN GAUGE TO BE LOCATED AT THE PROJECT SITE). AN INSPECTION
AND MAINTENANCE REPORT WILL BE MADE PER EACH INSPECTION. BASED ON THE
INSPECTION RESULTS, THE CONTROLS SHALL BE REVISED PER THE INSPECTION REPORT.

WASTE MATERIALS: ALL WASTE MATERIALS WILL BE COLLECTED IN A SECURELY LIDDED
METAL DUMPSTER. THE DUMPSTER WILL MEET ALL STATE AND LOCAL CITY SOLID WASTE
MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE
WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED AS NECESSARY
OR AS REQUIRED BY LOCAL REGULATION, AND THE TRASH WILL BE HAULED TO A LOCAL
APPROVED LAND FILL SITE. NO CONSTRUCTION WASTE WILL BE BURIED ON SITE.

HAZARDOUS WASTE (INCLUDING SPILL REPORTING): AT A MINIMUM, ANY PRODUCTS IN THE
FOLLOWING CATEGORIES ARE CONSIDERED TO BE HAZARDOUS: PAINTS, ACIDS FOR
CLEANING MASONARY SURFACES, CLEANING SOLVENTS, ASPHALT PRODUCTS, CHEMICAL
ADDITIVES FOR SOIL STABILIZATION, OR CONCRETE CURING COMPOUNDS AND
ADDITIVES. IN THE EVENT OF A SPILL WHICH MAY BE HAZARDOUS, THE SPILL
COORDINATOR SHOULD BE CONTACTED IMMEDIATELY.

SANITARY WASTE: ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS
AS NECESSARY OR AS REQUIRED BY LOCAL REGULATION BY A LICENSED SANITARY
WASTE MANAGEMENT CONTRACTOR.

OFFSITE VEHICLE TRACKING:

- HAUL ROADS DAMPENED FOR DUST CONTROL
- LOADED HAUL TRUCKS TO BE COVERED WITH TARPULIN
- EXCESS DIRT ON ROAD REMOVED DAILY
- STABILIZED CONSTRUCTION ENTRANCE

OTHER:

REMARKS: DISPOSAL AREAS, STOCKPILES, AND HAUL ROADS SHALL BE CONSTRUCTED
IN A MANNER THAT WILL MINIMIZE AND CONTROL THE AMOUNT OF SEDIMENT
THAT ENTER RECEIVING WATERS. DISPOSAL AREAS SHALL NOT BE LOCATED
IN ANY WETLAND, WATERBODY OR STREAMBED.
CONSTRUCTION STAGING AREAS AND VEHICLE MAINTENANCE AREAS SHALL BE
CONSTRUCTED BY THE CONTRACTOR IN A MANNER TO MINIMIZE
THE RUNOFF OF POLLUTANTS.
ALL WATERWAYS SHALL BE CLEARED AS SOON AS PRACTICABLE OF TEMPORARY
EMBANKMENT, TEMPORARY BRIDGES, MATTING, FALSEWORK, PITTING, DEBRIS OR
OTHER OBSTRUCTIONS PLACED DURING CONSTRUCTION OPERATIONS THAT ARE NOT
PART OF THE FINISHED WORK.

TxDOT STORM WATER POLLUTION
PREVENTION PLAN (SW3P)

FED. RD. DIST. NO.	FEDERAL AID PROJECT NO.		SHEET NO.
6			
STATE	STATE DIST. NO.	COUNTY	
TEXAS	18	DALLAS	
CONF.	SECT.	JOB	HIGHWAY NO.
			I. H. 30